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Languages

Spanish

Native language

English

C1 IELTS

French

B2 Proficiency

Technical Skills

Programming

Python, Jupyter, Scikit-learn, keras, torch, Selenium

Data management

Excel, Pandas, Numpy, Selenium, SQL

Algorithms

Decision Tree, Deep learning, Naive Bayes, Q-learning

Honors and Awards

Eiffel Scholarship for academic excellence (Sep 2024)

Salazar Scholarship (Sep 2024)

1st place in Department and 3rd in Faculty (2021-2024)

"Permanence" Scholarship for academic excellence (2021-2024)

Volunteering

IEEE ComSoc dissemination

Events assistant and organizer in UNI (Peru).

UN calls system

UN surveys by telephone call to immigrants

Interests

Rugby, Boardgames, dance

ALEJOS ARRIETA Fredo

Data Science Intern

Master's student in Data Science with a cross-cultural engineering background and hands-on academic projects in machine learning and analysis. I'm looking for an end-of-studies internship starting between March and May 2026.

Diplomas and Training

École Polytechnique - IP Paris

From September 2025 to June 2026

[Master in Data Science, Applied Maths and Statistics - Bac +5](#) Palaiseau, France

- **First French Engineering School**

Generative AI, Reinforcement Learning, Advanced Deep Learning, Computer Vision, Big Data, Data Stream, Time Series

Telecom Paris - IP Paris

From September 2024 to June 2026

[Diplôme d'Ingénieur \(Data Science, Artificial Intelligence\) - Bac +5](#) Palaiseau, France

- **First French school of IT and digital technologies**

Machine Learning, Optimization Methods, Data Exploration, Deep Learning, Generative AI, Visualization, Markets, Econometrics, Data Analysis, Research Skills.

National University of Engineering

From March 2020 to July 2024

[Computer Science, Telecommunications - Bac +5](#) Lima, LR, Peru

- **Ranked 1st in Peru for research and patents number (INDECOPI)**

Training in Software Technologies, Neural Networks, Q-learning, Linear Algebra, Statistics.

Projects

Neural Machine Translation and Language Modeling

September 2025 [École Polytechnique](#) Paris, France

Classification of medical patients based on CMRI exams

May 2025 [Telecom Paris](#) Paris, France

- Collaboration for ML model design in detection of patterns in CMRI exams on patients' heart.
- Random Forest, Decision Trees, Impurity Measures, Optimization, Machine Learning Models, Torch.

Number image recognition and recreation

April 2025 [Telecom Paris](#) Paris, France

- Number recognition and posterior recreation with the use of neural networks and Principal Component Analysis (PCA).
- Neural Networks, Linear Algebra, Keras, TensorFlow, scikit-learn

Automated stock trading for non-derivative products.

From February 2025 to April 2025 [Telecom Paris](#) Palaiseau

- Analysis of alternatives to automated trading for risk management and stability.
- Machine learning, deep learning, naive Bayesian classification.

Predicting Movie Performance Based on Ratings and Casting

From November 2024 to January 2025 [Telecom Paris](#) Palaiseau

- Analysis to verify the relationship between the economic performance of a film and its casting and ranking
- Scraping work to collect 7000 movies from IMDB and Box Office and optimize the ranking with the most promising casting.
- Statistics, optimization, databases management, numpy, pandas, selenium.

Work Experience

Software developer intern for attribute based encryption research

From June 2023 to December 2023 [INICTEL \(UNI\)](#) Lima, LR, Peru

- Research for ABE applied on IoT devices.
- Use of key servers and encryption methods for solving data overload problems.
- Linux, Linear Algebra, Python, number theory, optimization.